

7.7.7 Efficiency Standards for Commercial Lighting Products

Illuminated Exit Signs (1)

Exit signs must have an input power demand of 5 watts or less per face.

Mercury Vapor Lamps (2)

Mercury Vapor lamps shall not be manufactured or imported.

Metal Halide Lamp Ballasts (3)

Metal halide lamp fixtures design to be operated with lamps rated greater or equal to 150 watts but less than 500 watts:

- must have a pulse-start metal halide ballast with a minimum efficiency of 88%,
- must have a magnetic probe-start ballast with a minimum ballast efficiency of 94%, or
- must have a nonpulse-start electronic ballast with either a minimum efficiency of 92% if greater than 250 watts or 90% if less than or equal to 250 watts.

These standards do not apply to:

- metal halide lamp fixtures with regulated lab ballasts,
- metal halide lamp fixtures that use electronic ballasts that operate at 240 volts, or
- metal halide lamp fixtures that are rated only for 150 watt lamps, rated for use in wet locations, or contain a ballast rated to operate at ambient air temperatures above 50 Degrees C.

Note(s): 1) Effective for illuminated exit signs manufactured on or after January 1, 2006. 2) Effective January 1, 2008. 3) Effective for metal halide lamp ballasts January 1, 2009.

Source(s): Title 10, Code of Federal Regulations, Part 431 - Energy Efficiency Program for Certain Commercial and Industrial Equipment, Subpart L for Illuminated Exit Signs, Subpart P for Mercury Vapor Lamps, and Subpart S for Metal Halide Lamp Ballasts. January 1, 2010.